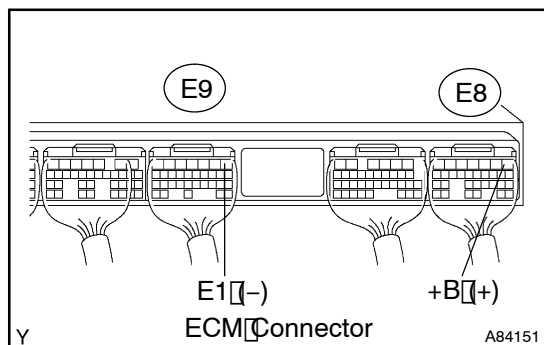


INSPECTION PROCEDURE

1 INSPECT ECM(+B) VOLTAGE



- (a) Turn the ignition switch to ON.
 (b) Measure the voltage between the terminals of the E8 and E9 ECM connectors.

Standard:

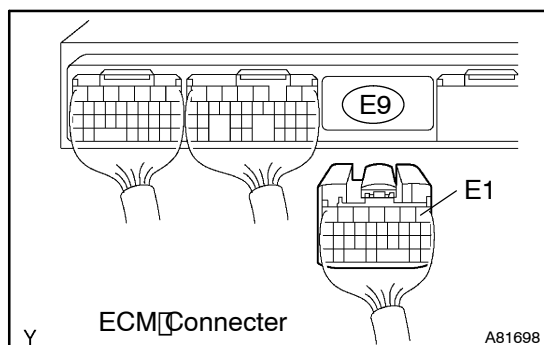
Tester Connection	Specified Condition
+B (E8-1) - E1 (E9-1)	9 to 14 V

OK

**PROCEED TO NEXT CIRCUIT INSPECTION
 SHOWN ON PROBLEM SYMPTOMS TABLE
 (See page 05-262)**

NG

2 CHECK HARNESS AND CONNECTOR (ECM - BODY GROUND)



- (a) Disconnect the negative (-) battery cable.
 (b) Disconnect the E9 ECM connector.
 (c) Check the resistance.

Standard (Check for open):

Tester Connection	Specified Condition
E1 (E9-1) - Body ground	Below 1 Ω

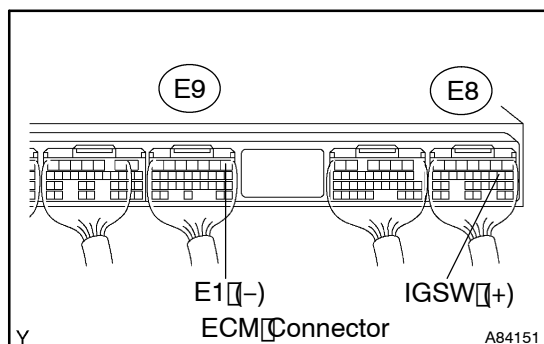
- (d) Reconnect the ECM connector.
 (e) Reconnect the negative battery cable.

NG

**REPAIR OR REPLACE HARNESS OR
 CONNECTOR**

OK

3 INSPECT ECM (IGSW VOLTAGE)



- (a) Turn the ignition switch to ON.
 (b) Measure the voltage between the terminals of the E9 and E11 ECM connectors.

Standard:

Tester Connection	Specified Condition
IGSW (E8-9) - E1 (E9-1)	9 to 14 V

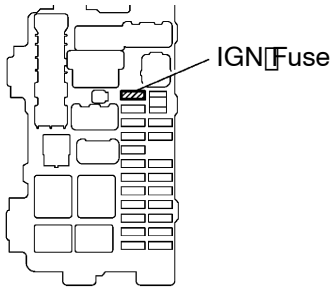
OK

Go to step 6

NG

4 CHECK FUSE (IGN FUSE)

Instrument Panel J/B:



O A89020

A88113

- (a) Remove the IGN fuse from the instrument panel J/B.
- (b) Check the IGN fuse resistance.
Standard: Below 1 Ω
- (c) Reinstall the IGN fuse.

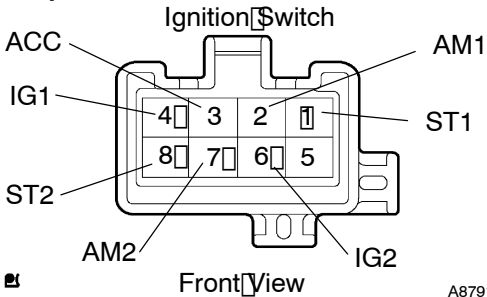
NG

CHECK FOR SHORT IN ALL HARNESSES AND COMPONENTS CONNECTED TO FUSE

OK

5 INSPECT IGNITION OR STARTER SWITCH ASSY

Component Side:



A

Front View

A87913

- (a) Disconnect the 14 Ignition switch connector.
- (b) Measure the resistance between the connector terminals shown in the table below.

Standard:

Switch Position	Tester Connection	Specified Condition
LOCK	All Terminals	10 $k\Omega$ or higher
ACC	2-3	Below 1 Ω
ON	2-3, 2-4, 6-7	Below 1 Ω
START	1-2, 2-4, 6-7, 6-8	Below 1 Ω

- (c) Reconnect the Ignition switch connector.

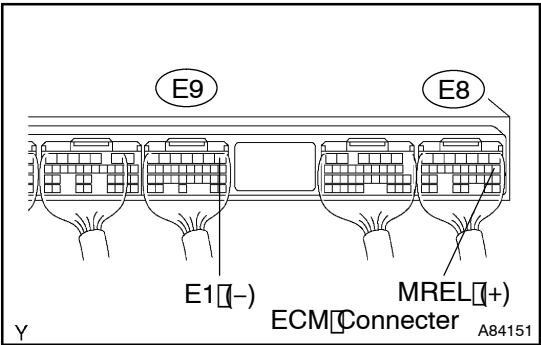
NG

REPLACE IGNITION OR STARTER SWITCH ASSY

OK

CHECK AND REPAIR HARNESS AND CONNECTOR (BATTERY - IGNITION SWITCH, IGNITION SWITCH - ECM)

6 INSPECT ECM (MREL VOLTAGE)



Y

ECM Connector

A84151

- (a) Turn the Ignition switch to ON.
- (b) Measure the voltage between the terminals of the E8 and E9 ECM connectors.

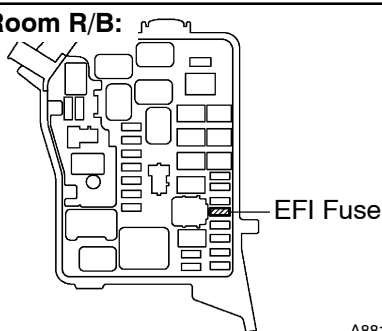
Standard:

Tester Connection	Specified Condition
MREL (E8-8) - E1 (E9-1)	9 to 14 V

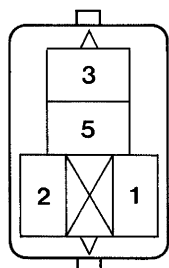
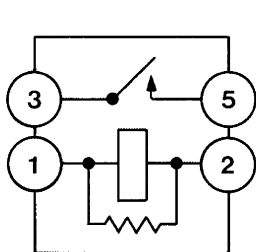
NG

REPLACE ECM (See page 10-30)

OK

7 CHECK FUSE(EFI FUSE)**Engine Room R/B:**

- (a) Remove the EFI fuse from the engine room R/B.
- (b) Check the EFI fuse resistance.
Standard: Below 1 Ω
- (c) Reinstall the EFI fuse.

NG**CHECK FOR SHORT IN ALL HARNESSSES AND COMPONENTS CONNECTED TO FUSE****OK****8 INSPECT EFI RELAY**

B16200

- (a) Remove the EFI relay from the engine room R/B.
- (b) Check the EFI relay resistance.

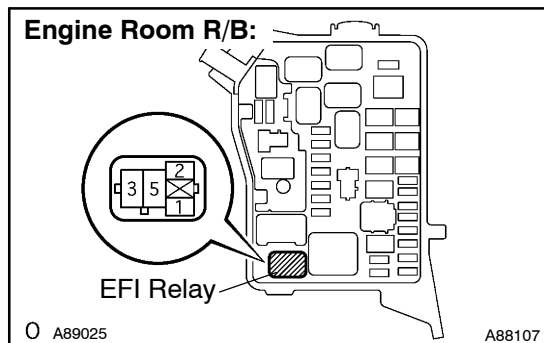
Standard:

Tester Connection	Specified Condition
3 - 5	10 k Ω or higher
3 - 5	Below 1 Ω (Apply battery voltage to terminals 1 and 2)

- (c) Reinstall the EFI relay.

NG**REPLACE EFI RELAY****OK**

9 CHECK HARNESS AND CONNECTOR(EFI RELAY - ECM, EFI RELAY - BODY GROUND)



- (a) Check harness and connectors between the EFI relay and the ECM connector.
- (1) Remove the EFI relay from the engine room R/B.
 - (2) Disconnect the E8 ECM connector.
 - (3) Check the resistance.

Standard (Check for open):

Tester Connection	Specified Condition
Engine room R/B (EFI relay terminal 1) - MREL (E8-8)	Below 1 Ω
Engine room R/B (EFI relay terminal 3) - +B (E8-1)	Below 1 Ω

Standard (Check for short):

Tester Connection	Specified Condition
Engine room R/B (EFI relay terminal 1) or MREL (E8-8) - Body ground	10 k Ω or higher
Engine room R/B (EFI relay terminal 3) or +B (E8-1) - Body ground	10 k Ω or higher

- (4) Reinstall the EFI relay.
 - (5) Reconnect the ECM connector.
- (b) Check harness and connector between the EFI relay and the body ground.
- (1) Remove the EFI relay from the engine room R/B.
 - (2) Check the resistance.

Standard (Check for open):

Tester Connection	Specified Condition
Engine room R/B (EFI relay terminal 2) - Body ground	Below 1 Ω

- (3) Reinstall the EFI relay.

NG

REPAIR OR REPLACE HARNESS OR CONNECTOR

OK

CHECK AND REPAIR HARNESS AND CONNECTOR (TERMINAL +B OF ECM - BATTERY POSITIVE TERMINAL)